Index of Claims

| 4 | App | olication | /Control | No. |
|---|-----|-----------|----------|-----|
|   |     |           |          |     |

10/617,280

GALLAGHER ET AL.

Applicant(s)/Patent under Reexamination

Examiner

Art Unit

Wilson Lee

2163

| √ | Rejected |
|---|----------|
| = | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   |                                |

Restricted

| Z | Non-Elected  |
|---|--------------|
| + | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla             | aim      |          |                 |          | [         | Date     | е        |                 |          |          | ]     | Cla         | aim      |                 |          |              | Da   | ite                     |                 |                 |           |          | laim       |              | _  |           | (        | Date     | <b>B</b> |                 |           |               |
|-----------------|----------|----------|-----------------|----------|-----------|----------|----------|-----------------|----------|----------|-------|-------------|----------|-----------------|----------|--------------|--|-------------------------|-----------------|-----------------|-----------|----------|------------|--------------|--|-----------|----------|----------|----------|-----------------|-----------|---------------|
|                 | la l     | 9        |                 |          |           |          |          |                 |          |          |       |             | <u>ā</u> |                 |          |              |  |                         |                 |                 |           | _        | <u>a</u>   |              |  |           |          |          |          |                 |           |               |
| Final           | Originaľ | 5/1/06   |                 |          |           |          |          |                 |          |          |       | Final       | Original |                 |          |              |  |                         |                 |                 |           | Final    | Original   |              | l  |           |          |          |          |                 |           |               |
| ш.              | ŏ        | ŝ        |                 |          |           |          |          |                 |          |          |       | "           | ŏ        | İ               |          |              |  |                         |                 |                 |           | ╵╙       | ŏ          | ľ            |  |           |          |          |          |                 |           |               |
| 1               | 1        | =        | Н               |          | _         | _        | $\vdash$ | $\vdash$        |          | $\vdash$ | ╢     | <u> </u>    | 51       | -               | $\vdash$ |              | $\dashv$   | ╁                       | $\vdash$        | -               | $\dashv$  |          | 101        | ┢╾           | ╁  | <u> </u>  | ┢        | ├─       | -        | $\vdash$        | $\dashv$  | Н             |
| 2               | 2        | =        | H               | 一        | _         |          | -        | $\vdash$        | 1        | Н        | 1     | <u> </u>    | 52       | $\vdash$        | Н        | 十            | _  | ╁                       |                 | $\dashv$        | -         | _        | 102        | ╁            | H  | H         | $\vdash$ | H        |          | H               | $\dashv$  | Н             |
| 3               | . 3      | =        |                 | $\neg$   |           |          |          | $\vdash$        | $\vdash$ | Г        | 1     |             | 53       | 1               | П        | 一            | $\neg$   | _                       | П               |                 | ١         |          | 103        | <u> </u>     | $\vdash$   |           | $\vdash$ |          |          | Н               |           | П             |
| 4               | 4        | =        | П               | ヿ        |           |          |          |                 |          | Г        | 1     |             | 54       | Ī               |          | 寸            |  | 1.                      |                 |                 | 7         | $\Box$   | 104        |              | Г  |           |          |          |          | П               |           | П             |
| 5               | 5        | =        |                 |          |           |          |          |                 |          |          |       |             | 55       |                 |          |              |  |                         |                 |                 |           |          | 105        |              |  |           |          |          |          | П               |           | П             |
| 6               | 6        | =        |                 |          |           |          |          |                 |          |          |       |             | 56       |                 |          |              |  | Ŀ                       |                 |                 |           |          | 106        |              |  |           |          |          |          |                 |           |               |
| 7               | 7        | =        | Ш               | _        |           |          |          |                 | _        |          | ļ     | <u></u>     | 57       |                 |          |              |  |                         | Ш               |                 | _         |          | 107        |              |  |           |          |          |          |                 |           | $\square$     |
| 8               | 8        | 트        |                 | _        | _         |          |          | $oxed{oxed}$    | L        | <u> </u> | 1     | <u> </u>    | 58       | _               |          | _            | _  | 4_                      | $\sqcup$        | _               | _ !!!     |          | 108        | _            | _  |           | _        |          |          | Ш               | _         | Ш             |
| 9               | 9        | =        | $\vdash$        | _        |           |          |          | H               | _        | _        | -     |             | 59       | <u> </u>        | $\sqcup$ | _            | +  | _                       | $\sqcup$        | _               | 4         |          | 109        | _            | _  | _         |          |          |          | Ш               |           | Щ             |
| 10              | 10       | =        | $\vdash \vdash$ | -        | _         |          | $\vdash$ | $\vdash$        | -        | -        | 1     |             | 60       | <del> </del>    | $\vdash$ | $\dashv$     | - -  | +                       | $\vdash$        |                 | -         | $\vdash$ | 110        | $\vdash$     | <del> </del>                                     |           | <u> </u> |          | Ш        | $\vdash \vdash$ | _         | Щ             |
| 11              | 11<br>12 | =        | -               | -        |           |          | $\vdash$ | -               | $\vdash$ | -        | ł     |             | 61       | H               | $\vdash$ | $\dashv$     | +  | +-                      | $\vdash$        | +               |           |          | 111        | -            | ├  |           | $\vdash$ |          | $\vdash$ | $\vdash$        | $\dashv$  | -             |
| 13              | 13       | =        | $\vdash$        | $\dashv$ | -         | $\vdash$ | -        | -               | -        | $\vdash$ | 1     |             | 62<br>63 | -               | $\vdash$ | -            | +  | +                       | $\vdash$        | +               | -         | <u> </u> | 112<br>113 | $\vdash$     | Η-   | $\vdash$  | <u> </u> | -        | Н        | $\vdash$        | $\dashv$  | -             |
| 14              | 14       | =        | $\vdash$        | -        |           | H        |          | 1               | $\vdash$ | $\vdash$ | 1     | <u> </u>    | 64       | +-              | $\vdash$ | $\dashv$     | +  | +-                      | $\vdash \vdash$ | $\dashv$        | -         | <u> </u> | 114        | $\vdash$     | -  |           | -        | -        | $\vdash$ | $\vdash \vdash$ | _         | $\dashv$      |
| 15              | 15       | =        | $\vdash$        | +        | -         |          |          |                 | $\vdash$ | $\vdash$ | 1     | <b></b>     | 65       | $\vdash$        | $\vdash$ | $\dashv$     | +  | +                       | $\vdash$        | $\dashv$        | 1         | $\vdash$ | 115        | $\vdash$     | <del>                                     </del> |           | $\vdash$ | $\vdash$ | H        | $\vdash$        | $\neg$    | $\neg \dashv$ |
| 16              | 16       | =        | $\Box$          | 7        | $\exists$ |          |          | П               | $\vdash$ | $\vdash$ | 1     |             | 66       |                 | H        | $\dashv$     | +  | Ť                       | $\vdash$        | $\dashv$        | $\exists$ |          | 116        | $\vdash$     | $\vdash$   | $\vdash$  | $\vdash$ | $\vdash$ | Н        | $\vdash$        | $\dashv$  | $\dashv$      |
| 17              | 17       | =        |                 | T        |           |          |          |                 |          | Г        | 1     |             | 67       |                 | $\sqcap$ | $\dashv$     | $\dashv$   |                         | $\Box$          | _               | 7         |          | 117        | T            |  |           | $\vdash$ |          |          | $\vdash$        | $\exists$ | $\dashv$      |
| 18              | 18       | =        |                 |          |           |          |          |                 |          |          | 1     |             | 68       | Τ               | П        | T            |  | $\top$                  |                 | $\dashv$        | 7         |          | 118        |              | Ħ  |           |          |          |          |                 |           | $\neg$        |
| 19              | 19       | =        |                 |          |           |          |          |                 |          |          |       |             | 69       |                 |          |              |  | Ţ.                      | П               | $\neg$          | 7         |          | 119        |              |  |           |          |          |          |                 |           | П             |
| 20              | 20       | =        |                 |          |           |          |          |                 |          |          | ]     |             | 70       |                 |          |              |  |                         |                 | $\Box \Gamma$   |           |          | 120        |              |  |           |          |          |          |                 |           |               |
| 21              | 21       | 트        | Ц               | _        | _         |          |          |                 | L        | L        |       |             | 71       |                 | Ц        |              |  |                         |                 |                 | _         |          | 121        |              |  |           |          |          |          |                 |           |               |
| 22              | 22       | =        |                 | _        |           |          |          |                 | <u> </u> | L        | ]     |             | 72       |                 | $\sqcup$ | _            |  |                         | Ш               |                 | _         |          | 122        |              |  |           |          |          |          |                 |           |               |
| 23              | 23       | =        | _               |          |           |          |          |                 | <u> </u> | L        |       |             | 73       | L               | $\sqcup$ | 4            | -  | -                       | Ш               |                 | 4         | L        | 123        | _            | _  |           | Ш        |          |          | Ш               |           | Ш             |
| 24              | 24       | =        |                 |          |           |          | _        |                 | <u> </u> | <u> </u> |       |             | 74       | _               | $\dashv$ | $\dashv$     | +  | +                       | $\vdash$        |                 | -         |          | 124        | _            |  |           | Ш        |          | _        |                 | _         | $\dashv$      |
| 25<br>26        | 25<br>26 | =        |                 | -        | -         |          | _        |                 | -        | -        |       |             | 75       | ⊢               | $\dashv$ | $\dashv$     |  | -                       | $\vdash$        |                 | -         |          | 125        | _            |  |           | Н        |          | _        |                 | _         | $\dashv$      |
| 27              | 27       | 11       | $\dashv$        | $\dashv$ |           | -        | Н        | Н               | ⊢        | ⊢        | 1     | <u> </u>    | 76<br>77 | H               | $\dashv$ | $\dashv$     | +  | +                       | $\vdash$        |                 | -         |          | 126        | H            | <u> </u>   | -         | Щ        | _        |          |                 | $\dashv$  | Н             |
| 28              | 28       | -        | $\dashv$        | $\dashv$ | -         | -        | -        | H               | $\vdash$ | ┝        | ł     |             | 78       |                 | -        | $\dashv$     |  | +.                      | Н               | $\dashv$        | -         |          | 127<br>128 | $\vdash$     | -  | $\dashv$  | $\vdash$ |          | -        | $\dashv$        | $\dashv$  | $\dashv$      |
| 29              | 29       | =        | $\dashv$        | $\dashv$ | $\dashv$  | _        | -        | Н               | $\vdash$ | -        | 1     |             | 79       | H               | $\dashv$ | -+           |  | +                       | Н               | +               | -         |          | 129        | -            | Н  | $\dashv$  | Н        | -        | $\vdash$ | $\dashv$        | $\dashv$  | $\dashv$      |
| 30              | 30       | =        |                 | $\dashv$ | $\neg$    |          | Н        |                 |          | Н        |       |             | 80       | Ħ               | H        | $\dashv$     | _  | +-                      | $\Box$          | _               | -         |          | 130        | -            |  | -         |          |          | $\dashv$ | $\neg$          | $\dashv$  | $\dashv$      |
| 31              | 31       | =        |                 | $\dashv$ | T         |          |          |                 |          | Г        |       |             | 81       | П               | Ħ        | $\neg$       | $\top$   | +                       |                 | $\neg$          | $\exists$ |          | 131        |              | П  |           |          |          |          |                 |           | ᅥ             |
| 32              | 32       | ıı       |                 |          |           |          |          |                 |          |          |       |             | 82       | П               |          |              |  | 1                       | П               |                 | 7         | -        | 132        |              |  |           |          |          |          |                 | $\neg$    | $\exists$     |
| 33              | 33       |          |                 |          |           |          |          |                 |          |          |       |             | 83       |                 |          |              |  |                         |                 |                 |           |          | 133        |              |  |           |          |          |          |                 |           | П             |
| 34              | 34       | "        |                 | _        |           |          |          | Ш               |          |          |       |             | 84       | $\Box$          | П        | $\Box$       | $\perp$  |                         | П               |                 |           |          | 134        |              |  |           |          |          |          |                 |           |               |
| 35              | 35       | =        | $\sqcup$        | _        | 4         |          | Ш        | Ш               | L_       | L        |       |             | 85       | Ш               | $\sqcup$ | $\perp$      |  | $\perp$                 | $\sqcup$        | $\perp$         | 4         |          | 135        |              |  |           |          |          |          |                 |           | 二             |
| 36              | 36       | =        | $\dashv$        | $\dashv$ | _         | $\dashv$ | Щ        | $\vdash$        | -        |          |       |             | 86       | _               | $\dashv$ | 4            |  | ╁_                      | $\sqcup$        | $\perp$         | -         |          | 136        | _            | Ш  |           | $\Box$   |          | _        | $\sqcup$        | _         | $\dashv$      |
|                 | 37       | _        | -               | 4        | -         |          | Щ        | -               | -        | -        |       | <b> </b>    | 87       | Н               | $\vdash$ | $\dashv$     |  | ┼-                      | $\vdash$        | +               | -         |          | 137        | <u> </u>     | Щ  | $\square$ |          | $\dashv$ | _        | $ \downarrow $  | _         | ႕             |
|                 | 38       | $\vdash$ |                 | $\dashv$ | $\dashv$  |          | -        | $\vdash$        | -        | -        | 1     | $\vdash$    | 88<br>89 | $\vdash$        | $\vdash$ | +            | +  | +                       | $\vdash$        |                 | -         |          | 138        | <u> </u>     | $\vdash$   | _         |          | $\dashv$ |          | -               | $\dashv$  | -1            |
| $\vdash \dashv$ | 40       | $\vdash$ | $\dashv$        | $\dashv$ | $\dashv$  |          |          | Н               | $\vdash$ | _        |       | $\vdash$    | 90       | $\vdash$        | $\dashv$ | +            | +  | +                       | $\vdash$        |                 | -         |          | 139<br>140 | -            | $\vdash$   |           |          | -        | $\dashv$ | $\dashv$        | -         | $\dashv$      |
| $\vdash$        | 41       | -        | +               | $\dashv$ | -         | -        | -        | $\vdash \dashv$ | $\vdash$ | _        | l     |             | 91       | H               | $\dashv$ | +            | +  | +                       | $\vdash$        | +               | - ::::    |          | 141        | -            | $\vdash$   | -         |          | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$  |               |
|                 | 42       |          | +               | $\dashv$ | ᅥ         | {        | $\dashv$ | $\vdash$        | _        | -        |       | <del></del> | 92       |                 |          | +            | $\dashv$   | +-                      | $\vdash$        | +               | -         |          | 142        | -            | $\vdash$   | -         | -        | ᅱ        | $\dashv$ | $\dashv$        | $\dashv$  | $\dashv$      |
|                 | 43       | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$  | $\dashv$ | $\vdash$ |                 | Н        |          |       |             | 93       | $\vdash \vdash$ | $\dashv$ | +            | +  | +                       | $\vdash \vdash$ | $\dashv$        | -         |          | 143        | <del> </del> | $\vdash$   | $\dashv$  |          | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$  | $\dashv$      |
|                 | 44       |          | $\Box$          | 1        | 寸         | $\neg$   |          |                 |          |          |       |             | 94       | $\vdash$        | $\dashv$ | 7            | $\top$   | $\top$                  | $\vdash$        | $\top$          | ١         |          | 144        |              | Н  | _         |          |          | $\dashv$ | $\dashv$        | $\dashv$  | ᅱ             |
|                 | 45       |          |                 |          |           |          |          |                 |          |          |       |             | 95       |                 | 一        |              | _ _  | T                       | П               | $\neg \uparrow$ | 7         | _        | 145        |              | $\vdash$   |           | _        |          | $\neg$   | $\dashv$        | ᅥ         | $\dashv$      |
|                 | 46       |          |                 |          |           |          |          |                 |          |          |       |             | 96       |                 |          |              | J  |                         |                 |                 |           |          | 146        |              |  |           |          |          | $\Box$   | $\Box$          | 寸         | $\neg$        |
|                 | 47       |          |                 | $\bot$   | $\Box$    | $\Box$   | $\Box$   |                 |          |          |       |             | 97       |                 |          | $oxed{oxed}$ | $oldsymbol{ol}}}}}}}}}}}}}}} $ |                         |                 |                 |           |          | 147        |              |  |           |          |          |          | 丁               | コ         | $\Box$        |
|                 | 48       | _        | 4               | 4        | _         | _        |          |                 |          |          |       |             | 98       | Щ               | _        | 4            |  | $\overline{\mathbb{Z}}$ | $\square$       | $\Box$          | _         |          | 148        |              |  |           | $\Box$   | $\Box$   | $\Box$   |                 |           |               |
|                 | 49       |          | $\dashv$        | 4        | _         | _        |          | Ш               | $\Box$   |          |       |             | 99       | Щ               | _        | $\perp$      |  | _                       | Щ               | _               | _         |          | 149        |              | Щ  | _         |          |          | $\perp$  |                 | _[        |               |
| لـــا           | 50       |          |                 | _        |           |          |          | Ш               |          | _        | ::::: | L           | 100      | Ш               | Щ.       | $\perp$      | $\bot$   | _                       | Ш               |                 | :::::     |          | 150        |              | $oxed{L}$  | $\perp$   |          |          |          | $\perp$         |           | ╝             |